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L	APPLICATION NO.	FILING DATE	, FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/712,676	11/13/2003	Nam Soo Cho	2080-3-195	9071
		7590 01/10/200 DEGERMAN, KANG 6	EXAMINER		
801 S. FIGUEROA STREET				LEO, LEONARD R	
	12TH FLOOR LOS ANGELES, CA 90017			ART UNIT	PAPER NUMBER
				3744	18.1
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L	SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS 01/10/2007			01/10/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No.	Applicant(s)	: :		
		10/712,676	CHO ET AL.			
Office Action Summary		Examiner	Art Unit			
		Leonard R. Leo	3744			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with	h the correspondence ad	dress		
	ORTENED STATUTORY PERIOD FOR REPLY	Y IS SET TO EXPIRE 3 MC	NTH(S) OR THIRTY (3)	n) DAYS		
WHIC - Exte after - If NC - Failu Any	CHEVER IS LONGER, FROM THE MAILING DA insions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing the patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC, 36(a). In no event, however, may a reposite apply and will expire SIX (6) MONTI, cause the application to become ABA	ATION. ply be timely filed HS from the mailing date of this co			
Status						
1)[\]	Responsive to communication(s) filed on 31 Ju	ılv 2006				
·		action is non-final.				
	Since this application is in condition for allowar		rs, prosecution as to the	merits is		
,_	closed in accordance with the practice under E	·	·	:		
Diamonit	ion of Claims			;		
	ion of Claims					
4)⊠	Claim(s) <u>1-10</u> is/are pending in the application.			. : :		
E\[]	4a) Of the above claim(s) <u>7-10</u> is/are withdrawn	i from consideration.				
·	Claim(s) is/are allowed.					
	Claim(s) <u>1-6</u> is/are rejected. Claim(s) is/are objected to.			T .		
•	Claim(s) are subject to restriction and/or	r election requirement.				
٠,١		•		:		
Application Papers						
9)□	The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the		. ,			
44)	Replacement drawing sheet(s) including the correct	·	· -			
11)[The oath or declaration is objected to by the Ex	aminer. Note the attached	Office Action or form P1	O-152.		
Priority (under 35 U.S.C. § 119					
12)🖾	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. §	119(a)-(d) or (f).	: :		
a)	⊠ All b) ☐ Some * c) ☐ None of:					
	1. Certified copies of the priority documents			:		
	2. Certified copies of the priority documents		·			
	3. Copies of the certified copies of the prior	•	eceived in this National	Stage		
* (application from the International Bureau See the attached detailed Office action for a list		aceived			
•	See the attached detailed Office action for a list	or the certified copies not n	EUGIVEU.	•		
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Attachmer	nt(s)			. :		
	ce of References Cited (PTO-892)		ummary (PTO-413)			
3) 🛛 Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date 5/05, 4/06, 7/06.		/Mail Date formal Patent Application			

Application/Control Number: 10/712,676

Art Unit: 3744

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of the invention of Group I in the reply filed on July 31, 2006 is acknowledged.

Claims 7-10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Claim Objections

Claim 1 is objected to because of the following informalities: the recitation of "pins" in line 3 should read -- fins --. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4 and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Scott. It has been held that the term "integral" is sufficiently broad to embrace constructions united by such means as fastening and welding. *In re Hotte*, 177 USPQ 326, 328 (CCPA 1973). In this respect, Scott (page 2, lines 8-16) discloses the heat exchanger is sweated (i.e. soldered) in the final assembly. Regarding claims 2 and 6, Scott (page 1, lines 62-71) discloses support holders 12, 13 with slots 16.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Kadle. It has been held that the term "integral" is sufficiently broad to embrace constructions united by such

Application/Control Number: 10/712,676

Art Unit: 3744

means as fastening and welding. *In re Hotte*, 177 USPQ 326, 328 (CCPA 1973). In this respect, Kadle (column 2, lines 30-32) discloses the fins 14 are brazed to the tubes 10. Regarding claim 2, Kadle discloses support holders 12. Regarding claim 3, Kadle (column 2, lines 13-30) discloses the fins 14 and tubes 10 are composed of aluminum.

Claims 1, 3 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Hoshino et al. It has been held that the term "integral" is sufficiently broad to embrace constructions united by such means as fastening and welding. *In re Hotte*, 177 USPQ 326, 328 (CCPA 1973). In this respect, Hoshino et al (column 5, lines 22-26) discloses the fins 12 are brazed to the tubes 11. Regarding claim 3, Hoshino et al (column 1, lines 12-15) discloses the heat exchanger, i.e. condenser is composed of aluminum, including fins, tubes and headers. Regarding claim 5, Hoshino et al discloses fins 12 have louvers 12a, which by definition are slits angled from the plane of the fin.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonard R. Leo whose telephone number is (571) 272-4916. The examiner can normally be reached on Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent
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Art Unit: 3744

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LEONARD R. LEO PRIMARY EXAMINER ART UNIT 3744

January 2, 2007